



Traffic Safety Facts Tennessee 2003-2007



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS)

FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)

Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Tennessee State Survey

Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)

Population Data - U.S. Bureau of the Census



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Fatality Rates: Tennessee , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Tennessee	1,193	69,154	1.73	5,853,371	20.38
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Tennessee	1,339	70,943	1.89	5,912,063	22.65
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Tennessee	1,270	70,814	1.79	5,989,309	21.20
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Tennessee	1,284	70,596	1.82	6,074,913	21.14
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Tennessee	1,210			6,156,719	19.65
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

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Alcohol-Related Fatalities: Tennessee , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Tennessee	1,193	443	37	398	33	0.58
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Tennessee	1,339	542	40	469	35	0.66
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Tennessee	1,270	473	37	400	32	0.57
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Tennessee	1,284	518	40	444	35	0.63
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Tennessee	1,210	469	39	414	34	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

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Alcohol-Impaired Driving Fatalities: Tennessee , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Tennessee	1,193	370	31	0.53
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Tennessee	1,339	439	33	0.62
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Tennessee	1,270	376	30	0.53
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Tennessee	1,284	414	32	0.59
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Tennessee	1,210	390	32	
	US	41,059	12,998	32	0.43
	Best State*			17	

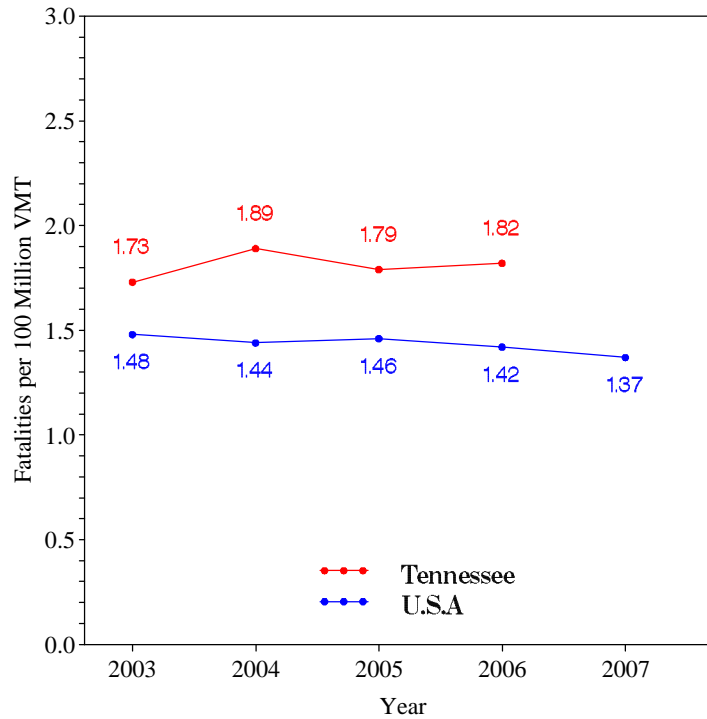
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

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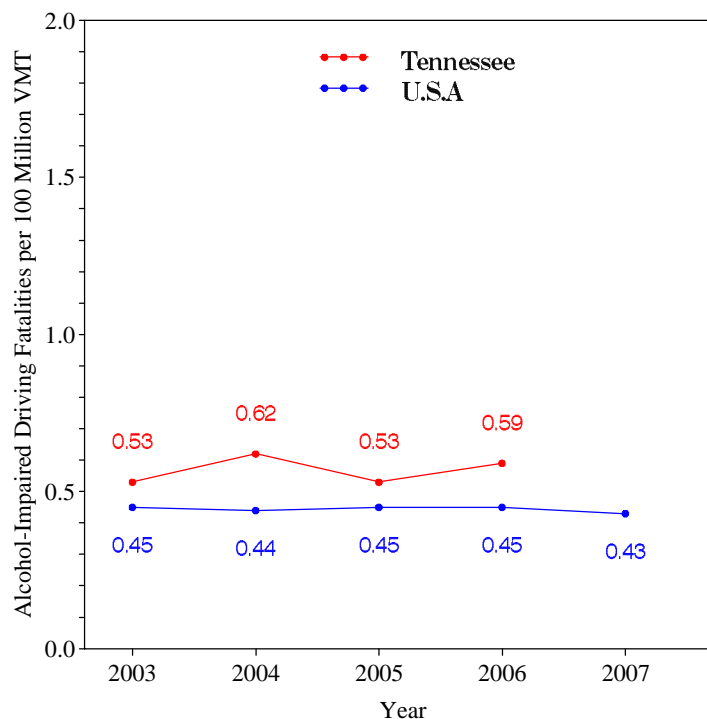


Fatalities per 100 Million VMT: Tennessee and U.S



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Alcohol-Impaired Driving Fatalities per 100 Million VMT: Tennessee and U.S



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Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Tennessee , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	Tennessee	330	95	29	652	224	34	982	319	32
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Tennessee	355	133	37	741	293	40	1,096	426	39
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Tennessee	345	96	28	731	211	29	1,076	307	29
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Tennessee	360	134	37	696	218	31	1,056	352	33
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Tennessee	294	77	26	734	159	22	1,028	236	23
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

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Passenger Vehicle Occupant Fatalities by Restraint Use: Tennessee , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Tennessee	966	334	35	69
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Tennessee	1,111	397	36	72
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Tennessee	1,010	398	39	74
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Tennessee	995	395	40	79
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Tennessee	927	359	39	80
	US	28,933	13,306	46	82
	Best State*			64	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

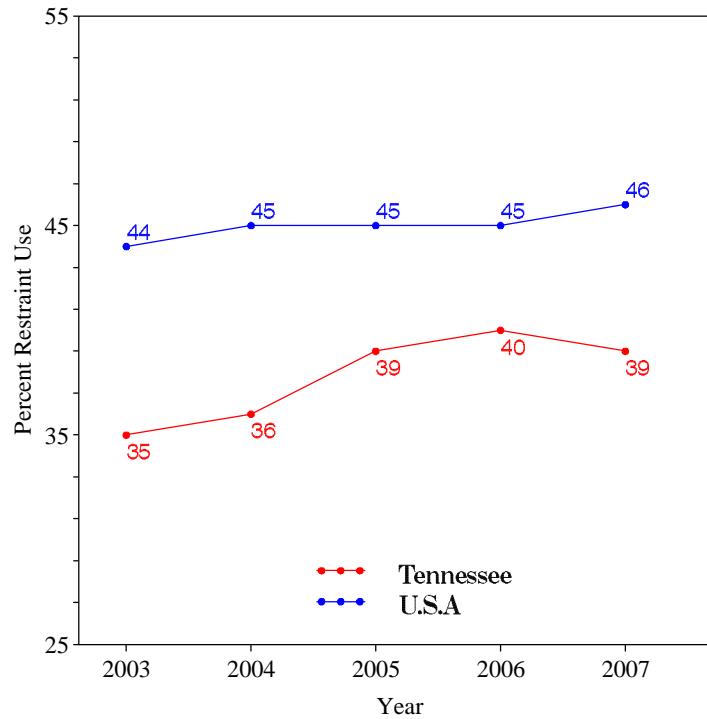
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

***USA Data: National Occupant Protection Use Survey. Tennessee Data: State Survey

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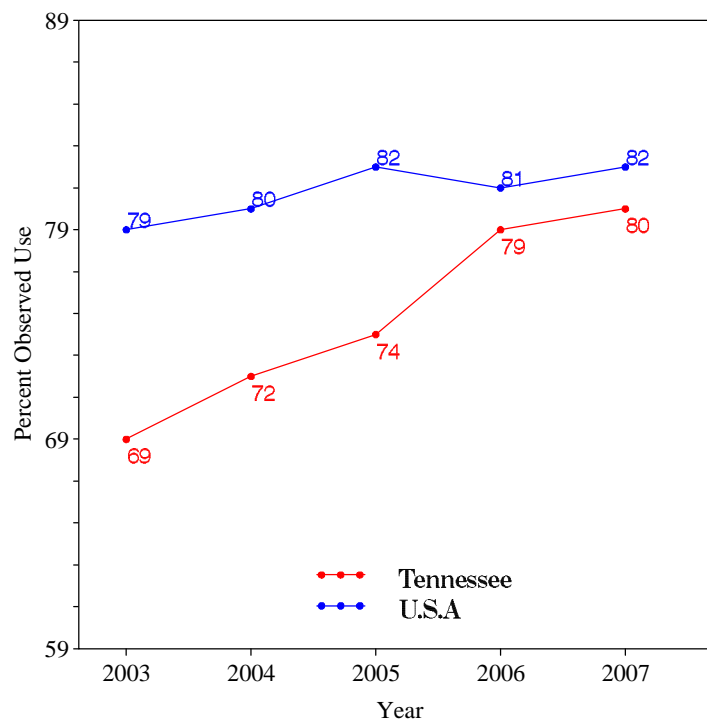


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Tennessee and U.S



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Passenger Vehicle Occupants by Percent Restraint Use Observed: Tennessee and U.S



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Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	955	324	631	347	252
2004	1,098	387	711	422	259
2005	998	385	613	440	238
2006	977	382	595	423	206
2007	916	349	567	395	196

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

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Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	11	10	1	2	1
2004	13	10	3	14	3
2005	12	12	0	19	0
2006	17	14	3	17	3
2007	11	9	2	11	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

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Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	90	75	15	45	6
2004	97	84	13	50	5
2005	129	109	20	65	8
2006	141	120	21	71	8
2007	149	130	19	77	7

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

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Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	598	17	697	18	583	16	589	16	519	15
	Light Truck - Pickup	200	6	227	6	222	6	215	6	216	6
	Light Truck - Utility	107	3	131	3	144	4	148	4	148	4
	Light Truck - Van	59	2	53	1	60	2	43	1	44	1
	Light Truck - Other	2	0	3	0	1	0	0	0	0	0
	Large Truck	21	1	18	0	29	1	30	1	34	1
	Bus	0	0	3	0	0	0	0	0	2	0
	Other/Unknown Occupants	12	0	17	0	17	0	15	0	17	0
	Total Occupants	999	29	1,149	29	1,056	29	1,040	28	980	28
Motorcyclists	Motorcycle	90	3	97	2	129	4	141	4	149	4
Non-Occupants	Pedestrian	96	3	83	2	70	2	89	2	69	2
	Bicyclist and Other Cyclist	4	0	7	0	10	0	7	0	6	0
	Other/Unknown Non-Occupants	4	0	3	0	5	0	7	0	6	0
	Total Non-Occupants	104	3	93	2	85	2	103	3	81	2
Total	Total	1,193	34	1,339	34	1,270	35	1,284	35	1,210	35

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Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	1,193	1,339	1,270	1,284	1,210
- Single Vehicle (1)	676	764	706	728	697
- Involving a Large Truck (2)	118	155	163	148	149
- Involving Speeding (3)	272	308	270	297	268
- Involving a Rollover (4)	369	470	415	384	412
- Involving a Roadway Departure (5)	780	913	834	856	803
- Involving an Intersection (or Intersection related) (6)	190	185	214	241	199

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

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Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	4	21	18	30	8	5	86
2004	10	19	17	23	20	7	96
2005	6	35	21	39	17	9	127
2006	6	47	32	29	18	6	138
2007	11	28	29	36	32	14	150

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Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	86	93,814	91.67
2004	96	108,659	88.35
2005	127	122,087	104.0
2006	138	134,123	102.9
2007	150		

*Data Source: FHWA

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Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Shelby County	122	13.41
2	Davidson County	74	11.94
3	Knox County	62	14.63
4	Hamilton County	43	13.02
5	Rutherford County	33	13.67
6	Montgomery County	32	20.72
7	Blount County	28	23.36
8	Madison County	25	25.90
9	Robertson County	22	34.74
10	Washington County	22	18.86

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Clay County	7	88.95
2	Morgan County	17	83.48
3	Trousdale County	6	77.65
4	Moore County	4	65.37
5	Henry County	20	63.23
6	Polk County	9	57.41
7	Bledsoe County	7	53.50
8	Perry County	4	52.14
9	Benton County	8	49.18
10	Grainger County	11	48.79

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Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Shelby County	36	3.90
2	Knox County	25	5.83
3	Davidson County	21	3.37
4	Hamilton County	17	5.03
5	Montgomery County	11	7.19
6	Robertson County	11	17.37
7	Williamson County	10	5.90
8	Rutherford County	10	3.93
9	McMinn County	9	17.46
10	Madison County	9	9.43

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Clay County	4	55.91
2	Marshall County	7	24.33
3	Van Buren County	1	23.91
4	Perry County	2	23.46
5	Morgan County	4	21.11
6	Giles County	6	21.02
7	Carroll County	6	20.75
8	Trousdale County	2	20.71
9	Polk County	3	20.41
10	Sequatchie County	3	19.45

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